

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/014187

A. CLASSIFICATION OF SUBJECT MATTER

H01M10/48 (2006.01), **G01R31/36** (2006.01), **H01M10/30** (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01M10/48 (2006.01), **G01R31/36** (2006.01), **H01M10/30** (2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-161768 A (NTT Facilities, Inc.), 06 June, 2003 (06.06.03), (Family: none)	1-18
A	JP 2000-243459 A (Matsushita Electric Industrial Co., Ltd.), 08 September, 2000 (08.09.00), (Family: none)	1-18
A	JP 2000-12098 A (Nissan Motor Co., Ltd.), 14 January, 2000 (14.01.00), (Family: none)	1-18
A	JP 5-74501 A (Honda Motor Co., Ltd.), 26 March, 1993 (26.03.93), (Family: none)	1-18

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- A- document defining the general state of the art which is not considered to be of particular relevance
- E- earlier application or patent but published on or after the international filing date
- L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O- document referring to an oral disclosure, use, exhibition or other means
- P- document published prior to the international filing date but later than the priority date claimed

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- X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- &- document member of the same patent family

Date of the actual completion of the international search
31 October, 2005 (31.10.05)

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15 November, 2005 (15.11.05)

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